

ABSTRACT OF THE DISCLOSURE

A calibrating body consists at least in part of a carbon fiber composite body. The composite body is formed from a porous material from a carbon-containing matrix, into which carbon fibers are embedded, this matrix is thickened by fluid infiltration of Si, which is essentially converted by reaction with carbon to SiC. The overall portion of Si and SiC is a maximum of 60% by volume. The carbon fibers have a minimum length of 3 mm.